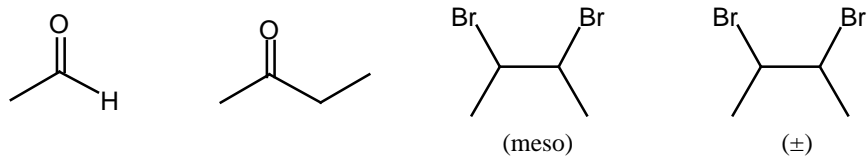
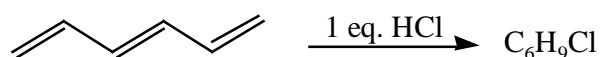


Problem Set #1
CH242-2002S

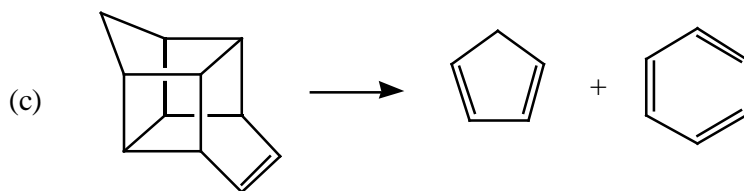
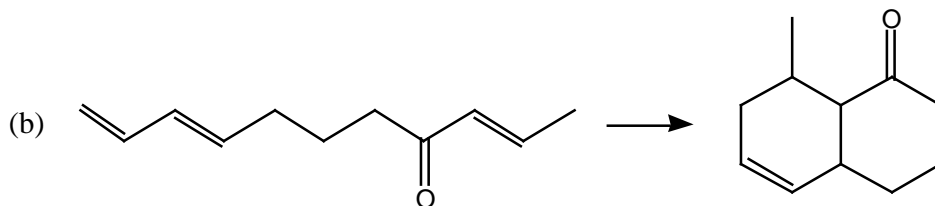
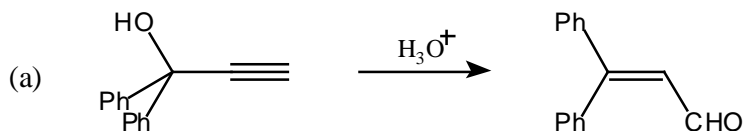
- [1] Starting with propyne, and other reagents of your choice, suggest efficient synthetic routes to the following compounds. You need not show mechanisms.



- [2] Draw all possible products that may be obtained in the following reaction.



- [3] Propose reasonable mechanisms for the following reactions.



- [4] Arrange the following compounds in the order of increasing reactivity as Diels-Alder dienes.

